and child unprovided for. Commencing life solely by his own means, his career has been all up-hill; and, perhaps, of all the learned professions, that of architecture is the worst paid: no expenditure appears to be so grudgingly laid out as an architect's commission. Mr. Elmes' commission of five per cent. on this building was restricted to 90,000*l.*; the expenditure will be about 154,000*l.* For the Collegiate Institution in this town he obtained the premium of 250*l.*; but the directors claimed the drawings, and, to save the commission, put them into the hands of a clerk of works; and Mr. Elmes, rather than have his details murdered, furnished them for nothing. These are two instances which have taken place in a town renowned for its great wealth and princely liberality all over the world. It is to be hoped that the claims of the widow and orphan will receive that attention and liberality of treatment, justly, honestly, and most righteously due to the man who has laid down his life in adorning the town of Liverpool with one of the finest architectural buildings in Europe."

The Health and Light Tax.—The delegates of metropolitan parishes appointed to obtain the immediate repeal of the window duties determined, at a meeting held last week, on sending a deputation to wait on the Chancellor of the Exchequer to bring the question forcibly under his notice. Following out a suggestion made in The Builder a short time ago, another association has been formed, to be called the London and Provincial Union for the Abolition of the Window Tax, "for the purpose of obtaining by every legal means the total and immediate abolition of that obnoxious tax."

Asphalted Brickwork.—Some parts of the citadel at Plymouth have been constructed of brickwork and Seyssel asphalte. The north embrasure of the old saluting battery, the first of the kind ever built, took 12 men four weeks to construct it, and was finished about three months since. The men worked under cover of tarpaulins, and had a furnace constantly lighted near them. Twelve tons scale weight of asphalte bricks and of liquid asphalte were consumed in its construction. Between the new work and the old the asphalte was poured in boiling hot. The bricks seem to be all completely welded together as if cast into a mould, and the experiment in every respect is said to be successful.

TENDERS

Delivered to the Assignees of Mr. Burton, of Lambeth, for building the new barracks at Portsea, viz.:—

Trego	£41,025
Piper	40,793
Hicks	40,370
Haynes and Co.	39,650
Nicholson	38,899
Busby	38,898
Harrison	38,224
Kelk	38,201
Locke and Nesham (accepted)	35,200

MEETINGS OF SCIENTIFIC BODIES

Held during the ensuing week.

Tuesday, February 8.—Institute of Civil Engineers, 8 P.M.

Wednesday, 9.—Society of Arts, 8 P.M.; Graphic Society, 7 P.M.

Thursday, 10.—Royal Society, 8½ P.M.; Society of Antiquaries, 8 P.M.

Friday, 11.—Archæological Institute, 8½ P.M.; Architectural Association.

TO CORRESPONDENTS.

"*The late Westminster Commission of Sewers.*"—We have received a reply from Mr. Phillips to a remark in a recent letter, but have not space for it in our present number.

"*Occasional Reader.*"—Two or three coats of paint on the ends of beams will be found useful.

"*R. G.*"—The insertion of his article would expose us to an action for libel.

"*J. L.*"—A valuer's license may be obtained at Somerset House: the cost is, we believe, two guineas.

"*J. W.*"—We are unable to advise as to emigration.

"*Subscriber.*"—We know of no "paint for stucco which will stand well when exposed to a sea-air in a very open situation."

"*J. P. W.*"—Shall appear.

"*J. G. B.*"—The green slates in question are from Westmoreland.

"The Practice of Artists," "Filtering Water," "Use of Plaster of Paris," "Reviews of Books," &c., unavoidably postponed.

Received.—"C. T." (Oxford), "J. W.," "W. D.," "H. C." (shall see a proof), "M. H. C.," "R. T.," "H. L. T." (shall appear), "R. G.," "C. V." (shall appear), "J. B.," "A Subscriber," "J. S.," "An Old Builder," "E. A.," "C. A. H." (thanks), "F. P. D." "W. J.," "F. D."

ADVERTISEMENTS.

SURVEYING, ARCHITECTURAL, and ENGINEERING OFFICES, 24, Guildford-street, Russell-square, London, for Preparing, Training, and thoroughly Qualifying Gentlemen, in the most practical and scientific manner, for Surveyors, Levellers, Engineers, Architects, Builders, Draughtsmen, Measurers and Valuers of land, timber, buildings, townships, &c., and for giving practical instruction, on the New System, in every branch of the profession. Conducted by Messrs. HYDE, SMITH, and LEWIS, Civil Engineers, Architects, Surveyors, &c., of extensive practice. Terms, till perfect, very moderate. Pupils, on completing the course, may be introduced to employment.—For Prospectuses, &c., apply at the offices.

TO BUILDERS, PAINTERS, AND OTHERS.

MESSRS. WOOD and Co., GRAINERS and WRITERS to the Trade only.

70, York Road, Lambeth; and at 28, Cross Street, Blackfriars Road.

HERRING'S PATENT SAFETY WINDOW.—No invention ever offered the advantages to builders and the public; it will positively add 5 to 10 per cent to all houses having it; repay the cost every two years; abolish all danger to life and limb, cleaning and repairing. It is in full operation (four different ways), forms a complete ventilator and sunblind; all simple, cheap, and effective. Apply for Bill of Prices, and for inspect its real merits, to HERRING'S Patent Steam Bed-Feather Factory, 14, Kingsgate street, London.

RAIN-WATER PIPES, Heads, Shoes, and Elbows, Half-round and O G Gutters, Sash Weights, Sashing Bars, Sink and Stable Traps and Gratings, Air Bricks, Coal Plates, &c.; Gas and Water Pipes from ¼ inch to 12 in in diameter, with Bends, Branches, Syphons, and Lamp Columns; also Hot-water Pipes, with all the usual connections. A large Stock of the above Castings at JONES'S Iron Bridge Wharf, No. 6, Bankside, Southwark.

FLEXIBLE PIPES AND TUBING, FOR PUMPS, ENGINES, GAS, &c.

PATENT VULCANIZED INDIA-RUBBER HOSE-PIPE and TUBING of every description. These Pipes are made to stand hot liquor and gas without injury; and as they do not become stiff in the coldest temperatures, or require any application when out of use, are particularly well adapted for Fire-Engines. Vulcanite India-rubber Washers for steam and hot-water joints, &c., of all sizes.—Sole Manufacturer, JAS. LYNE HANCOCK, Goswell-mews, Goswell-road, London.

TO GAS COMPANIES, Gas Fitters, and Gas Consumers.—N. DEVRIES, 10, Hampstead-road, & 37, St. Martin's-lane, and 118, Argyle-street, Glasgow, having proved by eight years' experience his DRY METER to be unrivalled, begs to say that nearly 30,000 are now in use, defying injurious Gas, and are never affected by Heat, Damp, or Frost. They may be obtained on Hire of all the Gas Companies who supply Meters to their Customers.—Testimonials of great value may be obtained at either Factory.

DOMESTIC GAS FITTINGS. — The cleanliness, cheapness, brilliancy, and safety of this mode of lighting private residences are leading to its general adoption. GEORGE and JOHN DEANE'S stock of LAMPS, Chandeliers, Brackets, &c., is very large, and exhibits the most elegant and modern designs. G. and J. DEANE fit up single apartments or houses on true scientific principles, and in the most artistic style; and as every thing is got up in their own workshops, G. and J. DEANE can engage for the strictest punctuality and the lowest possible charges.—S.B. Plans and estimates prepared.—GEORGE and JOHN DEANE, Gas-fitters, opening to the Monument, 46, King William-street, London-bridge.

ESTABLISHED 1783.
NOT TO BE EQUALLED IN PRICE AND QUALITY.

PATENT-IMPROVED and PANELLED IRON SAFES, DOORS, ROOMS, CHESTS, &c.—E. TANN and SONS' Patent Resistless Chemical Compound filled Safe stood the test at the late fire, with loss of life, at Water-lane, Blackfriars, and preserved its contents. The Safe may be seen at the Patent Reliance Guarded Lever Lock and Safe Manufactory, 1, Hope-street, Hackney-road. Iron Doors for Party-walls, Safes, &c., kept in stock.—N.B. The Trade supplied.

By Her Majesty's Royal Letters Patent.

BAILLIE'S PATENT ROUNDED RIM LOCKS, WITH SECRET AND SECURE FITTINGS.

THIS CHEAP and USEFUL ARTICLE obviating the unsightly appearance and insecurity of the common rim lock, can be obtained from the Manufacturers, Messrs. CARPENTER and TILDESLEY, Willenhall; or from the sole Agent, Mr. JOHN FAULKNER, Ironmonger, 63, 64, Martin's-le-Grand, London, opposite the new Money-Order Office.

IRON FOUNDRY, 9, Brick-lane, Old-street, St. Luke's.—J. J. JONES having made great additions to his STOCK OF PATTERNS, begs to inform the Trade, that he can now supply them with Plain and Ornamental Iron Columns, Girders, Rail-bars, Gates, Iron Coping, Balconies, Window Guards, Verandahs, Ornamental Staircase Panels, Iron Staircases, Tomb Enclosures, Trellis Panelling, Lamp and other Brackets, Cantilevers, Newel Bars, Water Closet Work, Area Gratings, Fly and other Wheels, Wheel Plates, &c.

BAKER'S OVEN WORK, Forge Backs and Troughs, Rain Water Pipes and Gutters, Sash Weights, Furnace Bars, Stoves, Mangers, &c., always in stock.

IRON FOUNDRY,
166, DRURY-LANE, and CHARLES-STREET, DRURY-LANE.
JOSEPH GLOVER,

Solicits the attention of the Trade to his extensive Stock of PATTERNS for CASTINGS of EVERY DESCRIPTION, consisting of those for every purpose, either structural or ornamental:—Wheel Pinion and Steam-Engine Patterns; Range Stove and Hot Plate Metal.

A stock of Rain-Water Pipes, Plain and O G Guttering, Air Bricks, Sash Weights, &c. &c.

A very superior description of Soot Door, particularly suitable for internal work, being perfectly secure, and not unsightly.

ESTIMATES given for IRON ROOFING and every description of Iron-work, complete to specification, and the work executed with every attention to quality and dispatch.

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PATENT COPPER WIRE ROPE LIGHTNING CONDUCTORS, for the Protection of Churches, Towers, Chimney-Shafts, &c.

SMITH and ENGLISH, Princes-street, Leicester-square, London, beg to inform Architects, Builders and others, that the above form of Lightning Conductor has been most extensively adopted, and is giving the greatest satisfaction, it proving considerably cheaper first cost, much simpler of application, with less injury to the building, than any other kind, and they can refer with great satisfaction to eminent architects and others, who have adopted it in preference:
As also their much improved Revolving and Panelled Iron Shutters,
PATENT DOUBLE-ACTION DOOR-SPRINGS,
PATENT CASEMENT FASTENINGS AND BILL-BARS,
Patent Copper and Iron Wire Sash Lines,
IMPROVED FLOORING-CRAMPS, &c. &c.,
which they continue to manufacture extensively, adopting every improvement which experience and practical application can suggest.

PORTER'S CORRUGATED and PATENT GALVANIZED IRON ROOFING WORKS, Southwark-bridge-road, the Grove, Southwark. At the above Works the Public are secure in having the superior make, and by the Patent process of Galvanizing Iron as first introduced into this Country, with many improvements in its application to Roofs, Buildings, &c. Every description of Building, Railway, and other Iron and Smith's work Manufactured of the best quality. Iron and Fence Hurdles as usual.—The Trade supplied.

IRON-WORK FOR BAKERS' OVENS.

F. A. TIDDEMAN, Purfleet Wharf, Earl Street, Blackfriars, keeps an assortment of Stocks, or Mantle-pieces; Plates, Furnace-bars, Top and Fall Pieces, Stoppers, Chimney-bars, Inside, Outside, and Ash pit; Doors and Frames, Boilers and Frames, Lamps, &c., &c.; all of the best description, at very moderate prices.—CAST-IRON URNS.

TO ARCHITECTS, BUILDERS, &c.

R. HENLY and Co., WHOLESALE IRONMONGERS, and Manufacturers of KITCHEN RANGES, STOVES, &c., 198, Blackfriars-road, and 117, Union-street, Borough.

Strong Self-acting Kitchen Ranges, with Back Boiler and Oven and Wrought Bars:—

3 ft.	3 ft. 3 in.	3 ft. 6 in.	3 ft. 9 in.	4 ft.
£3 0s.	£3 12s.	£3 16s.	£4.	£4 10s.

Henly's Patent Improved, with back Boiler and Wrought Iron Oven:—

3 ft.	3 ft. 3 in.	3 ft. 6 in.	3 ft. 9 in.	4 ft.
£3.	£3 15s.	£4 5s.	£4 10s.	£5.

Best Register Stoves, at 7d., 8d., and 9d. per inch.
Do. Elliptic do., at 3½d., and 4d. do.
Manufacturer of WOLFANSTON'S PATENT REGISTER STOVES, a certain cure for SMOKY CHIMNEYS, and effecting a great saving in fuel. To be seen in use daily.
Orders from the Country, accompanied with a remittance or reference, will meet with prompt attention.

TO BUILDERS and CARPENTERS.—Elliptic Stoves, double backs, 3d. per inch. Registers, 6d., 7d., 8d. per inch.
Cottage Ranges, with Oven and Back Boiler, 3 ft., 3s.; 3 ft. 3 in., 3 ft. 6, 4s.; 3 ft. 9, 5s.
Self-acting Ranges, with Circular Oven and Back Boiler.
Best Wrought Bars and Bright Fittings.

3 ft., £3 3s.	3 ft. 6, £3 12s. 6d.	4 ft., £4.

Best Patent Cut Clasp.

3d.	4d.	5d.	1s. 4d.	1s. 10d. per 1,000.
8d.	4d.	6d.	10d.	15d.

Best Sheet Floor Brads 1½ per cwt.
Best Town Glue 9½. Do. Scotch, 8½ per cwt.
Best Patent Sash Line.

6 in. 3d.	8s.	9s. 6d.	10s.	12s. per gross.
1	2	3	4	5

At P. R. WILLIAMSON'S IRONMONGERY and STOVE WAREHOUSE, 35, Chiswell-street, Finsbury-square.
Lists of Prices had on application at the Warehouse; if by letter pre-paid, inclosing Country postage stamps.

OLD-ESTABLISHED WHOLESALE IRONMONGERY WAREHOUSE, Kitchen-range, and stove-grate Manufactory, 18, Cross-street, Hatton-garden.

JOHN GRICE most respectfully solicits the attention of Architects, Builders, and Carpenters, to his Stock of Black and Bright Stoves, Kitchen Ranges, &c., &c.
Black Registers, from 6½d. per in. and upwards.
Bright ditto with Black and Bright Bars, at 10s. and upwards.
Self-acting Kitchen Ranges, with Oven and Back Boiler, Wrought Bars, Fittings Bright:—

3 ft.	3ft. 6 in.	4 ft.
£3. 3s.	£3. 14s.	£4. 5s.

All articles made on the premises and warranted, and delivered free of expense within five miles of London. Bell-hanging in superior style, neat, in secret, 9s. per pull.

R. FULKES, Wholesale Ironmonger, Stove and Range Manufacturer, 81, Park-street, Camden Town, London.
Best Cut Clasp Nails, 1s. per cwt.
Best Cast Lath Nails, 11s. 6d. per cwt.
Best 4-inch Mortice Locks, with Large Brass Furniture, Fitted with Dunn's Patent Spindles, 18s. per dozen.
Best Butt Hinges, 3 in. 5½ in. and 3 in.
1s. 3d. 1s. 6d. 2s. 6d. per dozen pair.
Elliptic Stoves, 3d. per inch.
Register Stoves, 6½d. per inch.
Best Self-acting Ranges, fitted complete—

3 ft.	3 ft. 6 in.	4 ft.
£3.	7l.	10s. each.

Orders from the country, containing a remittance or Post-office order made payable at the Camden Town Post-office, forwarded the same day.

TO BUILDERS AND CARPENTERS.

BURT and POTTS, York-street, Westminster, Wholesale and Retail Ironmongers, Stove and Stove Grate Manufacturers. Delivered free within five miles.
Cast Iron Rain-water Pipe:—

2 in.	2½ in.	3 in.	3½ in.	4 in.
1s. 1d.	1s. 3d.	1s. 5d.	1s. 8d.	2s. 2d. per yard.

Sheet Floor Brads, 1½ per cwt.
All other Nails in proportion.
Register Stoves with inside backs, 6½d. and 7d. per inch, and upwards.
A variety of Cast Black Ground and Bright Register Elliptic Stoves, with inside back, 3½d. per in.
Self-acting Ranges with Circular Oven, Back Boilers, and Wrought Bars:—

3 ft.	3 ft. 6 in.	4 ft.
£3.	£3. 8s.	£3 13.

Iron and Steel of every description.

IRONMONGERY WAREHOUSE, 18, Blandford-street, Manchester-square, leading from Baker-street, Portman-square.
TO BUILDERS and CARPENTERS.—In consequence of the recent reduction in the Price of Iron, the following are the present Prices of the undermentioned articles at the above Warehouse:—
Best Patent Cut Clasp.

4d.	5d.	10d.	2od.	per 1,000.
6d.	8d.	1s. 6d.	1s. 10d.	"

Cast Butts.

2 in.	2½ in.	3 in.	3½ in.	per doz.
11d.	1s. 2d.	1s. 4d.	2s.	"

Best Patent Sash Line.

3	4	5	6	per doz. knots.
6s. 6d.	7s. 6d.	10s.	12s.	"

Every other article equally reasonable.
Catalogues of Prices can be had on pre-paid application, inclosing postage stamps.—Country orders will meet with immediate attention, and will be executed either upon the receipt of a remittance for the same, or upon the giving a satisfactory reference in London.
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FENDERS, STOVES, and FIRE-IRONS.—The LARGEST ASSORTMENT of STOVES, KITCHEN RANGES, and FENDERS, as well as General Ironmongery in the world, is now on Sale at WILLIAM S. BURTON'S (late RIPPON and BURTON'S) extensive warehouses. Bright steel fenders, 2 to 4 feet, from 20s. each: ditto ditto, with ormolu ornaments, from 63s.; rich bronzed scroll ditto, with steel bar, 1os. 6d.; to fenders, 3 feet, 4s. 6d.; 4 feet, 6s.; ditto bronzed, and fitted with standards, 3 feet, 1s.; 4 feet, 11s.; wrought iron kerb fenders, 3 feet, 4 feet, 4s.; bright register stoves, with bronzed ornaments, and two sets of bars, from 5os.; ditto ditto, with ormolu ornaments, from 6l. 6s.; black ditting room register stoves, 2 feet, 18s.; 3 feet, 27s.; bed-room register stoves, 2 feet, 14s.; 3 feet, 20s. The new economical therapic stove, with fender and radiating hearth-plate; fire-irons for chambers, 1s. 3d. per set; hand-irons ditto with cut heads, 2s. 6d.; newest patterns, with elegant bronzed heads, 11s. A variety of fire-irons, with ormolu and richly cut heads at proportionate prices. Any article in the furnishing ironmongery 20 per cent. under any other house. The money returned for every article not approved of. Detailed catalogues with estimates sent (per post) free.
WILLIAM S. BURTON'S (late RIPPON and BURTON'S) stock of general furnishing ironmongery is literally the largest in the world, and as no language can be employed to give a correct idea of its variety and extent, purchasers are invited to call and inspect it, 39, Oxford-street (corner of Newman-street). Established in Wells-street 1820.

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